

MiISAVOR™ LIQUID

**MiISAVOR™ LIQUID
CONCENTRATE**

Pellet processing aid



KEMIN[®]
liquiSMART™ 

A PROGRAM FOR PREMIUM PELLET PRODUCTION

You understand the value of pelleting feed — animals that consume pellets waste less feed and therefore have better feed conversion. Pelleted feed also offers better starch digestibility due to increased gelatinization. However, you also know that pelleting adds cost and complexity to feed mill operations — increased power demand and die wear, as well as decreased overall mill capacity, are all consequences of pelleting feed.

That's why we developed the **Kemin MillSAVOR™ Milling Efficiency Program** — to address both the need for and cost of pelleting feed. Improving pelleting efficiency and profitability requires outstanding products *and* a comprehensive approach that evaluates every phase of production for maximum return on investment.



Maximum
thru-put

Pellet
durability

IDEAL
PELLETS

Optimal
moisture

Minimal
fines

FREQUENTLY ASKED QUESTIONS:

Q: What is the Kemin MillSAVOR Milling Efficiency Program?

A: Feed milling experts often say, "Making high quality pellets is just as much art as science." Our Kemin MillSAVOR Milling Efficiency Program is a multifaceted evaluation of the feed milling process. It addresses every phase of operation, from ingredient quality and processing to mixer operation and pellet durability — and everything else that impacts milling efficiency.

Q: Kemin is well known as *the* mold inhibitor expert. Why pivot to milling efficiency?

A: Kemin is a worldwide company. Since developing Myco CURB® Liquid in 1982, our team has worked inside feed mills in nearly 200 countries on six continents. During this time, we have listened to customer concerns and developed products to help improve feed milling. The Kemin MillSAVOR Milling Efficiency Program was developed with input and feedback from customers.

Q: In what forms is the product available?

A: Kemin developed two products for two very different applications:

- 1. MillSAVOR Liquid** — Designed specifically for pelleting operations that desire increased thru-put and enhanced pellet durability. When applied to finished feed at 1-2 pounds per ton (500-1,000 grams per metric ton), the unique combination of ingredients in MillSAVOR Liquid enhances shelf life, strengthens pellets, reduces fines and increases pellet output at the same amperage.
- 2. MillSAVOR Liquid Concentrate** — A highly concentrated formulation designed to enhance pelleting efficiency with no negative impact on pellet durability or increased production of fines. With an addition rate of 1-2 ounces per ton (32.6-65.2 milliliters per metric ton), this processing aid results in more tons of pelleted feed at the same or lower power consumption with the same tonnage.

Visit kemin.com/millsavor for complete product specifications.

Q: Can you create a custom application solution for my unique situation?

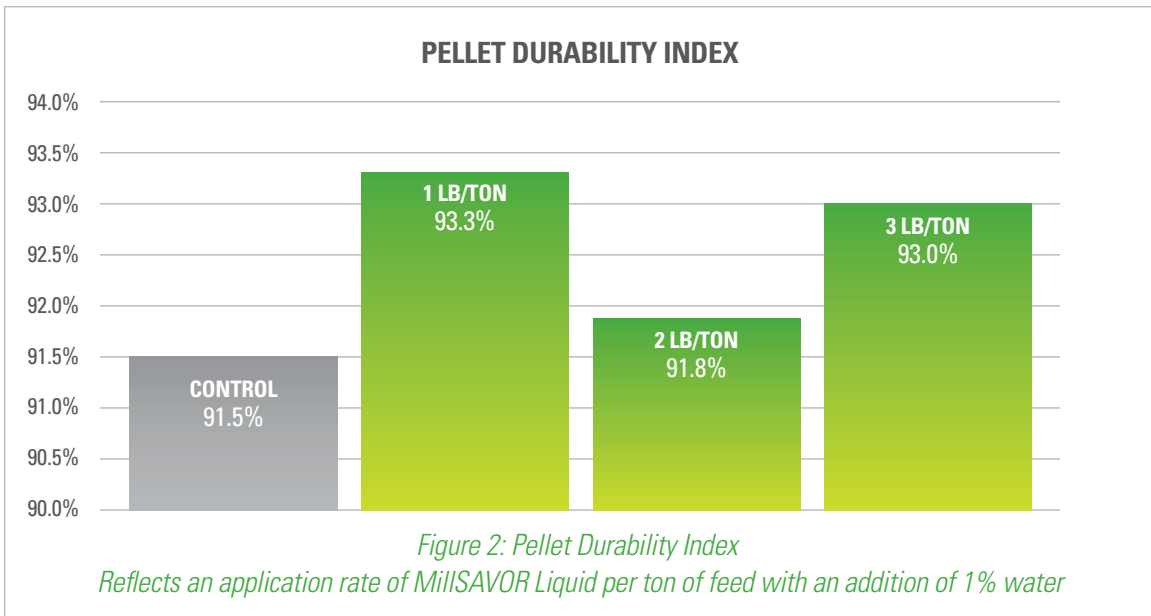
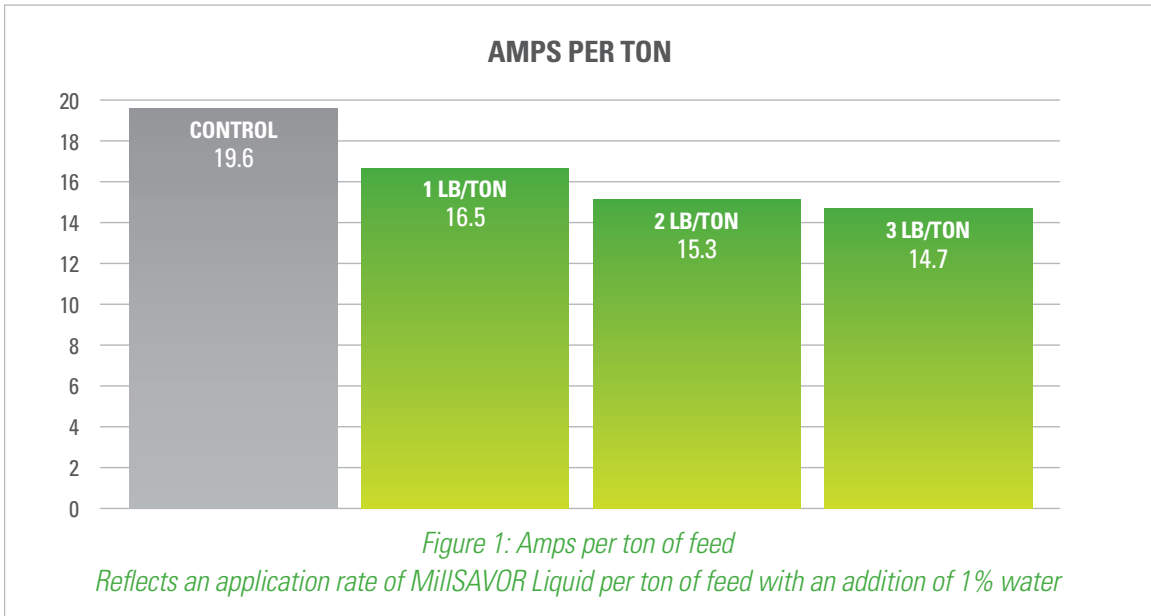
A: Kemin Application Solutions (KAS) will design, manufacture, install and maintain a system specifically for your feed mill. Our application experts have created application systems for feed, food and pharmaceutical operations — no challenge is too large or too small.



MiISAVOR LIQUID TRIAL RESULTS

Summary of deer feed trial

Because of the high concentration of roughage, deer feed is difficult to pellet. Mills pelleting these rations are low-volume operations, so any increase in thru-put or decrease in power demand can significantly increase profitability for the mill. Kemin Animal Nutrition and Health – North America conducted an evaluation of pelleted deer feed in a mill in Texas. MiISAVOR Liquid was applied at variable rates over two days to determine exactly the application rate needed for this specific ration. Over two days, this operation made nearly 400 tons of feed. Applying MiISAVOR Liquid to the feed not only reduced power demand (Figure 1), but also resulted in more tons per hour.



**INCREASED PELLET
DURABILITY INDEX (PDI)
AND THRU-PUT**

MILLSAVOR LIQUID CONCENTRATE TRIAL RESULTS

Summary of broiler feed trials

AMPS PER TON FOR STARTER, GROWER/FINISHER AND WITHDRAWAL FEED

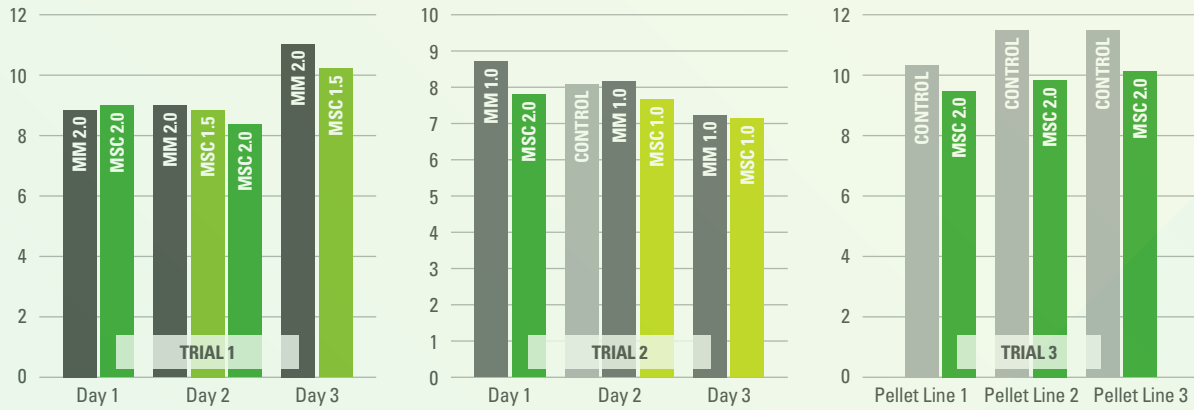


Figure 3: Amps per ton for starter, grower/finisher and withdrawal feed

TONS PER HOUR FOR STARTER, GROWER/FINISHER AND WITHDRAWAL FEED

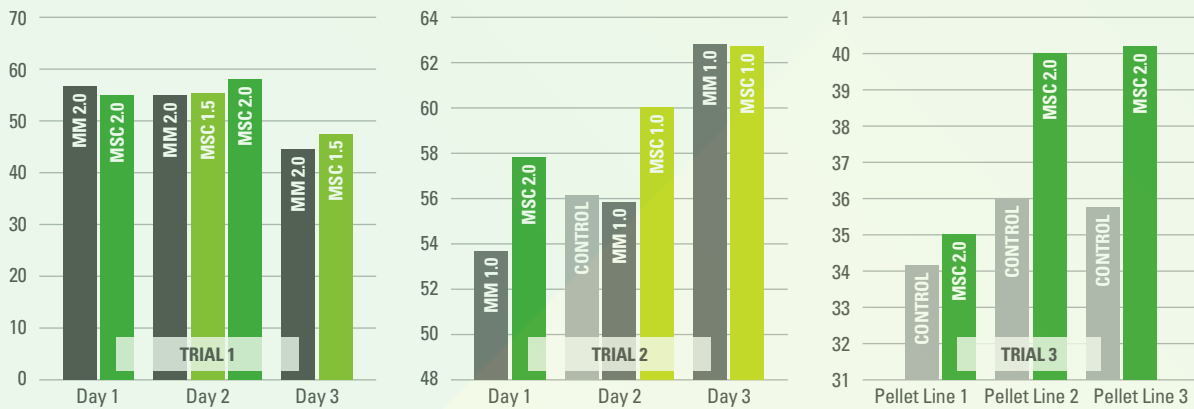


Figure 4: Tons per hour for starter, grower/finisher and withdrawal feed

PELLET DURABILITY INDEX SUMMARY FOR GROWER/FINISHER AND WITHDRAWAL FEED

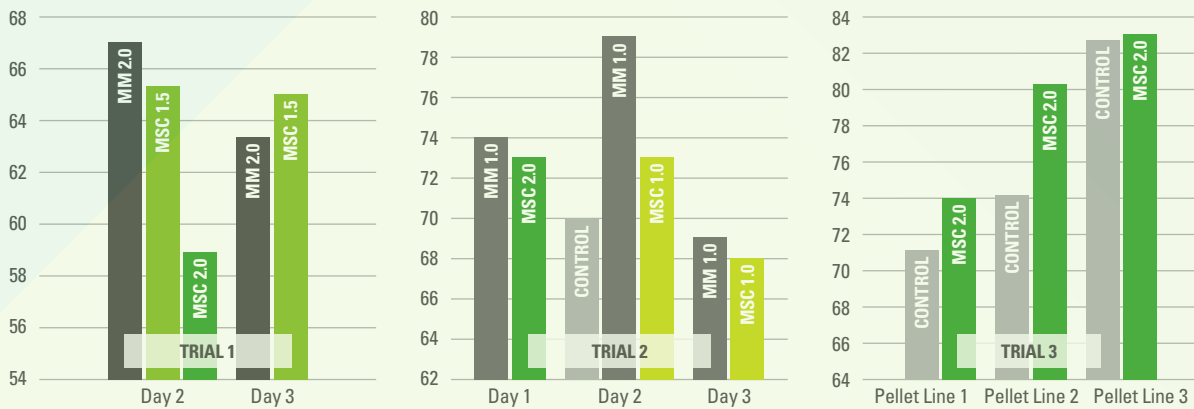


Figure 5: Pellet durability index summary for grower/finisher and withdrawal feed

CONTROL FEED, NO TREATMENT

MAXI-MIL® I @ 1.0 OZ/TON OF FEED

MAXI-MIL I @ 2.0 OZ/TON OF FEED

MILLSAVOR LIQUID CONCENTRATE @ 1.0 OZ/TON OF FEED

MILLSAVOR LIQUID CONCENTRATE @ 1.5 OZ/TON OF FEED

MILLSAVOR LIQUID CONCENTRATE @ 2.0 OZ/TON OF FEED

FROM PRELIMINARY PLANS TO SERVICE AFTER THE SALE

When you choose to use MillsAVOR Liquid or MillsAVOR Liquid Concentrate, the Kemin Application Solutions (KAS) team will take care of the entire process from beginning to end. Our experts will visit your location and design a customized system specifically for your feed mill. Once you approve the system, Kemin will return for installation and remain on-site to help your team understand how to operate the equipment. Then, after the sale, our team will perform periodic machine maintenance and train new employees at your request. **And it gets better: Online monitoring technology is available for you as well as for Kemin Animal Nutrition and Health – North America to continually monitor your system and quickly respond to service interruptions.**



For more information about the Kemin Milling Efficiency Program,
give us a call or visit our website at kemin.com/millsavor.

1-800-752-2864